

Date: Fri, 11 Mar 94 19:01:28 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #279
To: Info-Hams

Info-Hams Digest Fri, 11 Mar 94 Volume 94 : Issue 279

Today's Topics:

 1x1 Callsigns?
[News] Auctioning Rules set up by FCC
 JARGON
 Keyboards at testing sessions
 ORBS\$070.2L.AMSAT
 ORBS\$070.MICRO.AMSAT
 ORBS\$070.MISC.AMSAT
 ORBS\$070.OSCAR.AMSAT
 ORBS\$070.WEATH.AMSAT
 TPK
 WWV time station freq

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
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Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Fri, 11 Mar 1994 21:54:16 GMT
From: ihnp4.ucsd.edu!sdd.hp.com!col.hp.com!csn!news.den.mmc.com!news2!
pogo.den.mmc.com!boutell@network.ucsd.edu
Subject: 1x1 Callsigns?
To: info-hams@ucsd.edu

In article <2lo1ii\$g94@oak.oakland.edu> prvalko@vela.acs.oakland.edu (prvalko)
writes:

>They should allow for ANY combination of legitimate US-amateur allocated
>calls. If I remember correctly, In the US, the call must BEGIN with "A,
>K, N, or W" then have a SINGLE DIGIT NUMBER and followed by at LEAST one
>letter.

>
>S0... W8A, would be OK.
>
>I already sent in a request for MY choice, NNN6N.
>
>Run it though your head in morse code then eat yer hearts out fellas!
>
>73 =paul= WB8ZJL

Mexican Hat Dance, right?
73, Russ (WD0FTF)

Date: Fri, 11 Mar 1994 21:07:06 GMT
From: gatekeeper.us.oracle.com!sgiblab!barrnet.net!netnews.synoptics.com!
news@decwrl.dec.com
Subject: [News] Auctioning Rules set up by FCC
To: info-hams@ucsd.edu

In article <CMF7EE.Ly1@news.Hawaii.Edu> jherman@uhunix3.uhcc.Hawaii.Edu writes:

>
> Thought this might be of interest to everyone. If 11M goes up for bid
> lets each kick in a few bucks to win it back...
>
> Jeff NH6IL

So tell me, good buddy, where are all them there CB critters going to go?

> Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA | "You have a flair for adding
>Internet: jangus@skyld.grendel.com | a fanciful dimension to any
> US Mail: PO Box 4425 Carson, CA 90749 | story."
> Phone: 1 (310) 324-6080 | Peking Noodle Co.

Maybe 14.313. Or 2M, used HT's are fairly cheap at a swap :)

Dave
wa6qwl

Date: 11 Mar 1994 14:38:44 -0800
From: ihnp4.ucsd.edu!agate!apple.com!apple.com!not-for-mail@network.ucsd.edu
Subject: JARGON
To: info-hams@ucsd.edu

ah301@yfn.ysu.edu (Jerry Sy) writes:

>In article <199402282109.NAA17392@ucsd.edu>,
>William=E.=Newkirk%Pubs%GenAv.Mlb@ns14.cca.CR.rockwell.COM wrote:

>> >use...it's XYL and it stands for ex young lady....(which I take great
>> >offense to as a derogatory remark (I am not an "XYL" because I am only 22
>> >years old! :-)) The term is used to refer to one's wife...(because most
>>

>is there a list of jargon and their meanings used by hams on 2m/440,
>terms like

>destinated
>very good
>fine business
>
>
>73s
>Jerry N3RKD

Best wishes-es. (73s)
Best best wishes-es. (Best 73s)

:-)

Kok Chen, AA6TY kchen@apple.com
Apple Computer, Inc.

Date: 11 Mar 94 00:04:56 GMT
From: yale.edu!noc.near.net!news.delphi.com!gilbaronw0mn@yale.arpa
Subject: Keyboards at testing sessions
To: info-hams@ucsd.edu

>Nntp-Posting-Host: wpp1
>Organization: UNISYS
>X-Newsreader: Trumpet for Windows [Version 1.0 Rev B]
>
>In article <1994Mar8.143141.29301@ke4zv.atl.ga.us> gary@ke4zv.atl.ga.us
(Gary Coffman) writes:
>>From: gary@ke4zv.atl.ga.us (Gary Coffman)
>>Subject: Re: Keyboards at testing sessions
>>Date: Tue, 8 Mar 1994 14:31:41 GMT
>

>> Since most intercepted traffic is encoded, and most commercial
>>traffic heavily abbreviated and filled with "commercial codes", flawless
>>copy is mandatory or all meaning could be lost. That's what the FCC wants

>>on the test too, though the current amateur test doesn't require zero
errors,
>>just one minute out of five perfect copy, or the answers to the multiple
choice
>>questions as the case may be. That level of performance would wash you out
at
>>military or commercial levels of required accuracy.

>
>I seem to remember that back when I took my 13 wpm code test in the FCC
>offices in NYC, the receiving portion of the test required only one solid

>minute out of five or so. I don't remember whether the text was plain or
>code groups. Of course, there was also a sending test, using a straight
key.

>
>It was 1960 or 1961, I was in high school, and intimidated by all the
glory
>and grandeur of the Federal Government, so my memory may not be very accurate.

>The point is that, at least at that time, the FCC didn't require 100%
accuracy
>for the entire test session, just a burst.

>
>73,
>Bill.

>
>
>Bill Powers WY0Q <wilpwr@rsv1.unisys.com>
> <powe0040@gold.tc.umn.edu>
>UNISYS Corp.
>MS 4033 Phone: [612] 635-5267
>P.O. Box 64942 FAX: [612] 635-7523
>St. Paul, MN 55164-0942

>
That is the truth and always has been. You can still pass the test with one
minute of solid copy. If you don't get the 70% correct then they are to
check for a minute of solid copy. Either one will pass the test.

When I got mine the one minute solid copy of 5 was the only way. It was tough.

Gil Baron, El Baron Rojo, WOMN Rochester, MN
"Bailar es Vivir"
PGP2.3 key at key servers or upon request

Date: 11 Mar 94 14:11:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: ORBS\$070.2L.AMSAT
To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-070.N
2Line Orbital Elements 070.AMSAT

HR AMSAT ORBITAL ELEMENTS FOR AMATEUR SATELLITES IN NASA FORMAT
FROM WA5QGD FORT WORTH,TX March 11, 1994
BID: \$ORBS-070.N

DECODE 2-LINE ELSETS WITH THE FOLLOWING KEY:

1 AAAAAU 00 0 0 BBBB.BBBBBBBB .CCCCCCC 00000-0 00000-0 0 DDDZ
2 AAAAA EEE.EEEE FFF.FFFF GGGGGG HHH.HHHH III.IIII JJ.JJJJJJJKKKKKZ
KEY: A-CATALOGNUM B-EPOCHTIME C-DECAY D-ELSETNUM E-INCLINATION F-RAAN
G-ECCENTRICITY H-ARGPERIGEE I-MNANOM J-MNMOTION K-ORBITNUM Z-CHECKSUM

TO ALL RADIO AMATEURS BT

AO-10

1 14129U 83058B 94069.18379542 -.00000210 00000-0 10000-3 0 2685
2 14129 27.1934 337.9178 6022504 160.8947 238.2860 2.05878778 80747

UO-11

1 14781U 84021B 94067.56924816 .00000314 00000-0 61190-4 0 6720
2 14781 97.7916 86.9836 0010793 229.7625 130.2638 14.69163339535534

RS-10/11

1 18129U 87054A 94067.01740430 .00000036 00000-0 22615-4 0 8808
2 18129 82.9209 43.6165 0010632 312.3195 47.7057 13.72332558336038

AO-13

1 19216U 88051B 94069.54851579 -.00000456 00000-0 10000-4 0 8926
2 19216 57.8718 263.9681 7210511 336.6114 2.6497 2.09726483 43942

FO-20

1 20480U 90013C 94067.40210310 -.00000055 00000-0 -49320-4 0 6670
2 20480 99.0229 238.3245 0540340 207.7414 149.3880 12.83223761191206

AO-21

1 21087U 91006A 94069.83595116 .00000094 00000-0 82657-4 0 4439
2 21087 82.9370 215.4726 0036191 0.5572 359.5617 13.74535665156075

RS-12/13

1 21089U 91007A 94067.45619162 .00000044 00000-0 30495-4 0 6706
2 21089 82.9185 86.1590 0030648 31.0404 329.2549 13.74036632154815

ARSENE

1 22654U 93031B 93338.80803910 -.00000087 00000-0 00000 0 0 2437
2 22654 1.4104 113.5274 2936576 161.9838 210.8642 1.42202044 2990

UO-14

1 20437U 90005B 94067.73687474 .00000061 00000-0 40486-4 0 9726

2 20437 98.5922 153.8649 0011592 122.8019 237.4277 14.29828748215238
 AO-16
 1 20439U 90005D 94067.72631072 .000000054 00000-0 37964-4 0 7727
 2 20439 98.6003 154.9835 0011895 123.8347 236.3959 14.29883809215246
 DO-17
 1 20440U 90005E 94067.27061045 .000000070 00000-0 44036-4 0 7711
 2 20440 98.6012 154.8241 0012085 124.8077 235.4243 14.30022491215195
 WO-18
 1 20441U 90005F 94067.73395059 .000000053 00000-0 37414-4 0 7733
 2 20441 98.6000 155.2882 0012520 123.5482 236.6892 14.29998053215264
 LO-19
 1 20442U 90 5 G 94069.25806460 .000000090 00000-0 42470-4 0 7498
 2 20442 98.6006 157.0275 0013027 119.1463 241.1023 14.30092955215490
 UO-22
 1 21575U 91050B 94067.16659976 .000000088 00000-0 44344-4 0 4736
 2 21575 98.4399 143.6682 0006939 228.7234 131.3361 14.36896892138577
 KO-23
 1 22077U 92052B 94067.55219489 -.000000037 00000-0 10000-3 0 3680
 2 22077 66.0788 130.6842 0011228 312.6441 47.3631 12.86285294 73847
 AO-27
 1 22825U 93061C 94067.73218374 -.000000005 00000-0 15777-4 0 2696
 2 22825 98.6625 144.5201 0009388 138.6898 221.4999 14.27610714 23357
 IO-26
 1 22826U 93061D 94068.07086926 .000000012 00000-0 22619-4 0 2691
 2 22826 98.6625 144.8782 0009958 137.9486 222.2467 14.27713554 23404
 KO-25
 1 22830U 93061H 94067.68367155 .000000069 00000-0 45175-4 0 2726
 2 22830 98.5652 142.8126 0012170 107.8757 252.3739 14.28038885 23353
 NOAA-9
 1 15427U 84123A 94066.88516292 .000000110 00000-0 82384-4 0 7374
 2 15427 99.0663 116.1273 0015423 142.3509 217.8744 14.13595676476034
 NOAA-10
 1 16969U 86073A 94066.89832448 .000000062 00000-0 44726-4 0 6358
 2 16969 98.5122 78.9843 0012174 266.4859 93.4927 14.24870428388186
 MET-2/17
 1 18820U 88005A 94067.29466993 .000000084 00000-0 61342-4 0 2708
 2 18820 82.5441 348.8449 0018009 100.6310 259.6879 13.84709361308395
 MET-3/2
 1 19336U 88064A 94068.41156909 .000000051 00000-0 10000-3 0 2678
 2 19336 82.5399 34.2815 0017247 148.2501 211.9666 13.16965325270129
 NOAA-11
 1 19531U 88089A 94066.88127605 .000000094 00000-0 75422-4 0 5436
 2 19531 99.1643 53.3477 0012787 59.3225 300.9204 14.12965184280912
 MET-2/18
 1 19851U 89018A 94067.39706232 .000000039 00000-0 21473-4 0 2691
 2 19851 82.5168 224.2613 0014833 145.0615 215.1539 13.84358131253741
 MET-3/3
 1 20305U 89086A 94069.82198235 .000000044 00000-0 10000-3 0 02

2 20305 82.5590 337.9970 0007461 164.6095 195.5253 13.04416766210076
 MET-2/19
 1 20670U 90057A 94067.10485611 .00000024 00000-0 79036-5 0 7712
 2 20670 82.5452 288.7639 0017373 69.7195 290.5827 13.84190594186635
 FY-1/2
 1 20788U 90081A 94069.86957440 -.00000212 00000-0 -11256-3 0 9146
 2 20788 98.8400 93.1423 0013353 284.9032 75.0655 14.01313647179938
 MET-2/20
 1 20826U 90086A 94067.49962859 .00000037 00000-0 20302-4 0 7808
 2 20826 82.5224 226.0766 0013416 336.1353 23.9178 13.83573999173830
 MET-3/4
 1 21232U 91030A 94067.54444297 .00000051 00000-0 10000-3 0 6782
 2 21232 82.5364 240.7313 0014652 76.1408 284.1322 13.16460656138118
 NOAA-12
 1 21263U 91032A 94066.89915038 .00000123 00000-0 74395-4 0 9489
 2 21263 98.6297 96.8623 0013055 165.7421 194.4128 14.22376467146137
 MET-3/5
 1 21655U 91056A 94067.38366476 .00000051 00000-0 10000-3 0 6851
 2 21655 82.5547 187.9220 0014661 89.7250 270.5549 13.16827611123194
 MET-2/21
 1 22782U 93055A 94067.66059818 .00000046 00000-0 28539-4 0 2806
 2 22782 82.5493 286.1063 0022417 143.3843 216.8845 13.83002355 26194
 POSAT
 1 22829U 93061G 94068.17748386 .00000070 00000-0 46048-4 0 2629
 2 22829 98.6568 144.9950 0010522 125.3851 234.8327 14.28009726 23423
 MIR
 1 16609U 86017A 94070.24194089 .00048719 00000-0 63440-3 0 1701
 2 16609 51.6441 317.2746 0014925 20.9171 339.2181 15.58120678460770
 HUBBLE
 1 20580U 90037B 94069.79166515 .00001109 00000-0 95809-4 0 4566
 2 20580 28.4682 147.9860 0006415 138.1868 221.9207 14.90518485 14691
 GRO
 1 21225U 91027B 94069.68912255 .00005994 00000-0 13774-3 0 721
 2 21225 28.4620 195.6665 0003925 176.6497 183.4127 15.40327704 41737
 UARS
 1 21701U 91063B 94067.64252385 .00002623 00000-0 25004-3 0 4858
 2 21701 56.9829 201.9698 0004222 99.9238 260.2271 14.96479516135884
 /EX

 Date: 11 Mar 94 14:02:00 GMT
 From: news-mail-gateway@ucsd.edu
 Subject: ORBS\$070.MICRO.AMSAT
 To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-070.D
 Orbital Elements 070.MICROS

HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS
FROM WA5QGD FORT WORTH, TX March 11, 1994
BID: \$ORBS-070.D
TO ALL RADIO AMATEURS BT

Satellite: U0-14
Catalog number: 20437
Epoch time: 94067.73687474
Element set: 972
Inclination: 98.5922 deg
RA of node: 153.8649 deg
Eccentricity: 0.0011592
Arg of perigee: 122.8019 deg
Mean anomaly: 237.4277 deg
Mean motion: 14.29828748 rev/day
Decay rate: 6.1e-07 rev/day²
Epoch rev: 21523
Checksum: 339

Satellite: A0-16
Catalog number: 20439
Epoch time: 94067.72631072
Element set: 772
Inclination: 98.6003 deg
RA of node: 154.9835 deg
Eccentricity: 0.0011895
Arg of perigee: 123.8347 deg
Mean anomaly: 236.3959 deg
Mean motion: 14.29883809 rev/day
Decay rate: 5.4e-07 rev/day²
Epoch rev: 21524
Checksum: 331

Satellite: D0-17
Catalog number: 20440
Epoch time: 94067.27061045
Element set: 771
Inclination: 98.6012 deg
RA of node: 154.8241 deg
Eccentricity: 0.0012085
Arg of perigee: 124.8077 deg
Mean anomaly: 235.4243 deg
Mean motion: 14.30022491 rev/day
Decay rate: 7.0e-07 rev/day²
Epoch rev: 21519
Checksum: 265

Satellite: W0-18
Catalog number: 20441
Epoch time: 94067.73395059
Element set: 773
Inclination: 98.6000 deg
RA of node: 155.2882 deg
Eccentricity: 0.0012520
Arg of perigee: 123.5482 deg
Mean anomaly: 236.6892 deg
Mean motion: 14.29998053 rev/day
Decay rate: $5.3e-07$ rev/day²
Epoch rev: 21526
Checksum: 314

Satellite: L0-19
Catalog number: 20442
Epoch time: 94069.25806460
Element set: 749
Inclination: 98.6006 deg
RA of node: 157.0275 deg
Eccentricity: 0.0013027
Arg of perigee: 119.1463 deg
Mean anomaly: 241.1023 deg
Mean motion: 14.30092955 rev/day
Decay rate: $9.0e-07$ rev/day²
Epoch rev: 21549
Checksum: 287

Satellite: U0-22
Catalog number: 21575
Epoch time: 94067.16659976
Element set: 473
Inclination: 98.4399 deg
RA of node: 143.6682 deg
Eccentricity: 0.0006939
Arg of perigee: 228.7234 deg
Mean anomaly: 131.3361 deg
Mean motion: 14.36896892 rev/day
Decay rate: $8.8e-07$ rev/day²
Epoch rev: 13857
Checksum: 365

Satellite: K0-23
Catalog number: 22077
Epoch time: 94067.55219489
Element set: 368
Inclination: 66.0788 deg
RA of node: 130.6842 deg

Eccentricity: 0.0011228
Arg of perigee: 312.6441 deg
Mean anomaly: 47.3631 deg
Mean motion: 12.86285294 rev/day
Decay rate: -3.7e-07 rev/day^2
Epoch rev: 7384
Checksum: 318

Satellite: A0-27

Catalog number: 22825
Epoch time: 94067.73218374
Element set: 269
Inclination: 98.6625 deg
RA of node: 144.5201 deg
Eccentricity: 0.0009388
Arg of perigee: 138.6898 deg
Mean anomaly: 221.4999 deg
Mean motion: 14.27610714 rev/day
Decay rate: -5.0e-08 rev/day^2
Epoch rev: 2335
Checksum: 330

Satellite: I0-26

Catalog number: 22826
Epoch time: 94068.07086926
Element set: 269
Inclination: 98.6625 deg
RA of node: 144.8782 deg
Eccentricity: 0.0009958
Arg of perigee: 137.9486 deg
Mean anomaly: 222.2467 deg
Mean motion: 14.27713554 rev/day
Decay rate: 1.2e-07 rev/day^2
Epoch rev: 2340
Checksum: 336

Satellite: K0-25

Catalog number: 22830
Epoch time: 94067.68367155
Element set: 272
Inclination: 98.5652 deg
RA of node: 142.8126 deg
Eccentricity: 0.0012170
Arg of perigee: 107.8757 deg
Mean anomaly: 252.3739 deg
Mean motion: 14.28038885 rev/day
Decay rate: 6.9e-07 rev/day^2
Epoch rev: 2335

Checksum: 322

/EX

Date: 11 Mar 94 14:08:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: ORBS\$070.MISC.AMSAT
To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-070.M
Orbital Elements 070.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES
FROM WA5QGD FORT WORTH, TX March 11, 1994
BID: \$ORBS-070.M
TO ALL RADIO AMATEURS BT

Satellite: POSAT
Catalog number: 22829
Epoch time: 94068.17748386
Element set: 262
Inclination: 98.6568 deg
RA of node: 144.9950 deg
Eccentricity: 0.0010522
Arg of perigee: 125.3851 deg
Mean anomaly: 234.8327 deg
Mean motion: 14.28009726 rev/day
Decay rate: 7.0e-07 rev/day^2
Epoch rev: 2342
Checksum: 309

Satellite: MIR
Catalog number: 16609
Epoch time: 94070.24194089
Element set: 170
Inclination: 51.6441 deg
RA of node: 317.2746 deg
Eccentricity: 0.0014925
Arg of perigee: 20.9171 deg
Mean anomaly: 339.2181 deg
Mean motion: 15.58120678 rev/day
Decay rate: 4.8719e-04 rev/day^2
Epoch rev: 46077
Checksum: 309

Satellite: HUBBLE

Catalog number: 20580
Epoch time: 94069.79166515
Element set: 456
Inclination: 28.4682 deg
RA of node: 147.9860 deg
Eccentricity: 0.0006415
Arg of perigee: 138.1868 deg
Mean anomaly: 221.9207 deg
Mean motion: 14.90518485 rev/day
Decay rate: 1.109e-05 rev/day^2
Epoch rev: 1469
Checksum: 321

Satellite: GRO
Catalog number: 21225
Epoch time: 94069.68912255
Element set: 72
Inclination: 28.4620 deg
RA of node: 195.6665 deg
Eccentricity: 0.0003925
Arg of perigee: 176.6497 deg
Mean anomaly: 183.4127 deg
Mean motion: 15.40327704 rev/day
Decay rate: 5.994e-05 rev/day^2
Epoch rev: 4173
Checksum: 315

Satellite: UARS
Catalog number: 21701
Epoch time: 94067.64252385
Element set: 485
Inclination: 56.9829 deg
RA of node: 201.9698 deg
Eccentricity: 0.0004222
Arg of perigee: 99.9238 deg
Mean anomaly: 260.2271 deg
Mean motion: 14.96479516 rev/day
Decay rate: 2.623e-05 rev/day^2
Epoch rev: 13588
Checksum: 331

/EX

Date: 11 Mar 94 14:00:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: ORBS\$070.OSCAR.AMSAT

To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-070.0
Orbital Elements 070.0OSCAR

HR AMSAT ORBITAL ELEMENTS FOR OSCAR SATELLITES
FROM WA5QGD FORT WORTH, TX March 11, 1994
BID: \$ORBS-070.0
TO ALL RADIO AMATEURS BT

Satellite: A0-10
Catalog number: 14129
Epoch time: 94069.18379542
Element set: 268
Inclination: 27.1934 deg
RA of node: 337.9178 deg
Eccentricity: 0.6022504
Arg of perigee: 160.8947 deg
Mean anomaly: 238.2860 deg
Mean motion: 2.05878778 rev/day
Decay rate: -2.10e-06 rev/day^2
Epoch rev: 8074
Checksum: 333

Satellite: U0-11
Catalog number: 14781
Epoch time: 94067.56924816
Element set: 672
Inclination: 97.7916 deg
RA of node: 86.9836 deg
Eccentricity: 0.0010793
Arg of perigee: 229.7625 deg
Mean anomaly: 130.2638 deg
Mean motion: 14.69163339 rev/day
Decay rate: 3.14e-06 rev/day^2
Epoch rev: 53553
Checksum: 344

Satellite: RS-10/11
Catalog number: 18129
Epoch time: 94067.01740430
Element set: 880
Inclination: 82.9209 deg
RA of node: 43.6165 deg
Eccentricity: 0.0010632
Arg of perigee: 312.3195 deg
Mean anomaly: 47.7057 deg
Mean motion: 13.72332558 rev/day

Decay rate: 3.6e-07 rev/day^2
Epoch rev: 33603
Checksum: 280

Satellite: A0-13

Catalog number: 19216
Epoch time: 94069.54851579
Element set: 892
Inclination: 57.8718 deg
RA of node: 263.9681 deg
Eccentricity: 0.7210511
Arg of perigee: 336.6114 deg
Mean anomaly: 2.6497 deg
Mean motion: 2.09726483 rev/day
Decay rate: -4.56e-06 rev/day^2
Epoch rev: 4394
Checksum: 341

Satellite: F0-20

Catalog number: 20480
Epoch time: 94067.40210310
Element set: 667
Inclination: 99.0229 deg
RA of node: 238.3245 deg
Eccentricity: 0.0540340
Arg of perigee: 207.7414 deg
Mean anomaly: 149.3880 deg
Mean motion: 12.83223761 rev/day
Decay rate: -5.5e-07 rev/day^2
Epoch rev: 19120
Checksum: 274

Satellite: A0-21

Catalog number: 21087
Epoch time: 94069.83595116
Element set: 443
Inclination: 82.9370 deg
RA of node: 215.4726 deg
Eccentricity: 0.0036191
Arg of perigee: 0.5572 deg
Mean anomaly: 359.5617 deg
Mean motion: 13.74535665 rev/day
Decay rate: 9.4e-07 rev/day^2
Epoch rev: 15607
Checksum: 317

Satellite: RS-12/13

Catalog number: 21089

Epoch time: 94067.45619162
Element set: 670
Inclination: 82.9185 deg
RA of node: 86.1590 deg
Eccentricity: 0.0030648
Arg of perigee: 31.0404 deg
Mean anomaly: 329.2549 deg
Mean motion: 13.74036632 rev/day
Decay rate: 4.4e-07 rev/day^2
Epoch rev: 15481
Checksum: 302

Satellite: ARSENE

Catalog number: 22654
Epoch time: 93338.80803910
Element set: 243
Inclination: 1.4104 deg
RA of node: 113.5274 deg
Eccentricity: 0.2936576
Arg of perigee: 161.9838 deg
Mean anomaly: 210.8642 deg
Mean motion: 1.42202044 rev/day
Decay rate: -8.7e-07 rev/day^2
Epoch rev: 299
Checksum: 278

/EX

Date: 11 Mar 94 14:06:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: ORBS\$070.WEATH.AMSAT
To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-070.W
Orbital Elements 070.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES
FROM WA5QGD FORT WORTH, TX March 11, 1994
BID: \$ORBS-070.W
TO ALL RADIO AMATEURS BT

Satellite: NOAA-9
Catalog number: 15427
Epoch time: 94066.88516292
Element set: 737
Inclination: 99.0663 deg

RA of node: 116.1273 deg
Eccentricity: 0.0015423
Arg of perigee: 142.3509 deg
Mean anomaly: 217.8744 deg
Mean motion: 14.13595676 rev/day
Decay rate: 1.10e-06 rev/day^2
Epoch rev: 47603
Checksum: 316

Satellite: NOAA-10
Catalog number: 16969
Epoch time: 94066.89832448
Element set: 635
Inclination: 98.5122 deg
RA of node: 78.9843 deg
Eccentricity: 0.0012174
Arg of perigee: 266.4859 deg
Mean anomaly: 93.4927 deg
Mean motion: 14.24870428 rev/day
Decay rate: 6.2e-07 rev/day^2
Epoch rev: 38818
Checksum: 359

Satellite: MET-2/17
Catalog number: 18820
Epoch time: 94067.29466993
Element set: 270
Inclination: 82.5441 deg
RA of node: 348.8449 deg
Eccentricity: 0.0018009
Arg of perigee: 100.6310 deg
Mean anomaly: 259.6879 deg
Mean motion: 13.84709361 rev/day
Decay rate: 8.4e-07 rev/day^2
Epoch rev: 30839
Checksum: 339

Satellite: MET-3/2
Catalog number: 19336
Epoch time: 94068.41156909
Element set: 267
Inclination: 82.5399 deg
RA of node: 34.2815 deg
Eccentricity: 0.0017247
Arg of perigee: 148.2501 deg
Mean anomaly: 211.9666 deg
Mean motion: 13.16965325 rev/day
Decay rate: 5.1e-07 rev/day^2

Epoch rev: 27012
Checksum: 306

Satellite: NOAA-11
Catalog number: 19531
Epoch time: 94066.88127605
Element set: 543
Inclination: 99.1643 deg
RA of node: 53.3477 deg
Eccentricity: 0.0012787
Arg of perigee: 59.3225 deg
Mean anomaly: 300.9204 deg
Mean motion: 14.12965184 rev/day
Decay rate: $9.4\text{e-}07$ rev/day²
Epoch rev: 28091
Checksum: 310

Satellite: MET-2/18
Catalog number: 19851
Epoch time: 94067.39706232
Element set: 269
Inclination: 82.5168 deg
RA of node: 224.2613 deg
Eccentricity: 0.0014833
Arg of perigee: 145.0615 deg
Mean anomaly: 215.1539 deg
Mean motion: 13.84358131 rev/day
Decay rate: $3.9\text{e-}07$ rev/day²
Epoch rev: 25374
Checksum: 308

Satellite: MET-3/3
Catalog number: 20305
Epoch time: 94069.82198235
Element set: 0
Inclination: 82.5590 deg
RA of node: 337.9970 deg
Eccentricity: 0.0007461
Arg of perigee: 164.6095 deg
Mean anomaly: 195.5253 deg
Mean motion: 13.04416766 rev/day
Decay rate: $4.4\text{e-}07$ rev/day²
Epoch rev: 21007
Checksum: 295

Satellite: MET-2/19
Catalog number: 20670
Epoch time: 94067.10485611

Element set: 771
Inclination: 82.5452 deg
RA of node: 288.7639 deg
Eccentricity: 0.0017373
Arg of perigee: 69.7195 deg
Mean anomaly: 290.5827 deg
Mean motion: 13.84190594 rev/day
Decay rate: 2.4e-07 rev/day^2
Epoch rev: 18663
Checksum: 339

Satellite: FY-1/2
Catalog number: 20788
Epoch time: 94069.86957440
Element set: 914
Inclination: 98.8400 deg
RA of node: 93.1423 deg
Eccentricity: 0.0013353
Arg of perigee: 284.9032 deg
Mean anomaly: 75.0655 deg
Mean motion: 14.01313647 rev/day
Decay rate: -2.12e-06 rev/day^2
Epoch rev: 17993
Checksum: 310

Satellite: MET-2/20
Catalog number: 20826
Epoch time: 94067.49962859
Element set: 780
Inclination: 82.5224 deg
RA of node: 226.0766 deg
Eccentricity: 0.0013416
Arg of perigee: 336.1353 deg
Mean anomaly: 23.9178 deg
Mean motion: 13.83573999 rev/day
Decay rate: 3.7e-07 rev/day^2
Epoch rev: 17383
Checksum: 336

Satellite: MET-3/4
Catalog number: 21232
Epoch time: 94067.54444297
Element set: 678
Inclination: 82.5364 deg
RA of node: 240.7313 deg
Eccentricity: 0.0014652
Arg of perigee: 76.1408 deg
Mean anomaly: 284.1322 deg

Mean motion: 13.16460656 rev/day
Decay rate: 5.1e-07 rev/day^2
Epoch rev: 13811
Checksum: 286

Satellite: NOAA-12
Catalog number: 21263
Epoch time: 94066.89915038
Element set: 948
Inclination: 98.6297 deg
RA of node: 96.8623 deg
Eccentricity: 0.0013055
Arg of perigee: 165.7421 deg
Mean anomaly: 194.4128 deg
Mean motion: 14.22376467 rev/day
Decay rate: 1.23e-06 rev/day^2
Epoch rev: 14613
Checksum: 323

Satellite: MET-3/5
Catalog number: 21655
Epoch time: 94067.38366476
Element set: 685
Inclination: 82.5547 deg
RA of node: 187.9220 deg
Eccentricity: 0.0014661
Arg of perigee: 89.7250 deg
Mean anomaly: 270.5549 deg
Mean motion: 13.16827611 rev/day
Decay rate: 5.1e-07 rev/day^2
Epoch rev: 12319
Checksum: 325

Satellite: MET-2/21
Catalog number: 22782
Epoch time: 94067.66059818
Element set: 280
Inclination: 82.5493 deg
RA of node: 286.1063 deg
Eccentricity: 0.0022417
Arg of perigee: 143.3843 deg
Mean anomaly: 216.8845 deg
Mean motion: 13.83002355 rev/day
Decay rate: 4.6e-07 rev/day^2
Epoch rev: 2619
Checksum: 307

/EX

Date: Sat, 12 Mar 1994 05:05:21 GMT
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!howland.reston.ans.net!pipex!uknet!
brunel!news@network.ucsd.edu
Subject: TPK
To: info-hams@ucsd.edu

Can someone tell me how easy they find TPK to use? I am helping a local
amateur improve his node (by switching to BPQ) and, whilst his RF knowledge is
good, he doesn't want to spend weeks learning how to drive some software!

Can TPK also operate as a PMS? I'd like to hear from anyone who has done
it, particularly BPQ.

73, Nick,

cs90nrs@brunel.ac.uk
g7ens@gb7hsn.gb.eu

Date: Fri, 11 Mar 1994 21:50:30 GMT
From: ihnp4.ucsd.edu!sdd.hp.com!col.hp.com!csn!news.den.mmc.com!news2!
pogo.den.mmc.com!boutell@network.ucsd.edu
Subject: WWV time station freq
To: info-hams@ucsd.edu

In article <2lnj0n\$ekf@gaia.ucs.orst.edu> schottd@ucs.orst.edu (Derek Schott)
writes:

>I am searching for some of the frequencies for this station.
>I need it sometime today, and I have no way of looking for it
>other than by computer. Could someone please email me a few
>of the operating frequencies of WWV; especially those that
>can be picked up easily on the West coast. Thnks...
>
>--

If all else fails, call (303) 499-7111 for the audio portion of WWV. Not
very useful as a frequency reference though :-)

73, WD0FTF Russ

Date: Fri, 11 Mar 1994 23:02:51 GMT
From: world!drt@uunet.uu.net
To: info-hams@ucsd.edu

References <2lnm9t\$643@jericho.mc.com>, <1994Mar10.223223.13794@arrl.org>,
<2lptqg\$7b4@cville-srv.wam.umd.edu>ton.a
Subject : Re: 1x1 Callsigns?

Scott Richard Rosenfeld (ham@wam.umd.edu) wrote:

: As for the request for a call like A4L, this can't be done because the US
: doesn't have the rights to these calls. I believe A1, A4, A5, and A6 are
: all allocated (can't remember exactly who, though). The US has allocations
: to "AA-AL."

Oh, well, there goes A10P!

(Actually, I believe A1 as well as A0 cannot be allocated as a prefix.)

-drt

David R. Tucker KG2S drt@world.std.com

End of Info-Hams Digest V94 #279

